

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	("20040047254").PN.	US-PGPUB; USPAT	OR	OFF	2007/02/20 15:17
S2	85	(369/47.46).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/05/24 19:24
S3	466007	clock\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 16:03
S4	578837	sync synchron\$6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/30 17:54
S5	2183327	speed velocity	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 16:04
S6	4716010	data information signal	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/24 19:23
S7	16244	S3 same S4 same S5 same S6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 16:07
S8	3347612	data information	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 16:07
S9	11155	S3 same S4 same S5 same S8	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 16:50
S10	11	S9 and S2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/23 16:50
S11	600949	(data information) near3 signal	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/24 19:23
S12	466007	clock\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/24 19:23
S13	578837	sync synchron\$6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/30 17:52
S14	31479	S11 same S12 same S13	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/24 19:24
S15	183	(369/47.48).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/05/24 19:24
S16	85	(369/47.46).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/05/24 19:24

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S17	68	(S15 S16) and (S11 same S12 same S13)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/05/24 19:24
S18	1	("20020024153").PN.	US-PGPUB; USPAT	OR	OFF	2006/06/20 13:54
S19	1	("20040047254").PN.	US-PGPUB; USPAT	OR	OFF	2006/06/20 15:42
S20	85	(369/47.46).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/06/20 15:42
S21	469298	clock\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 15:42
S22	582890	sync synchron\$6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 15:42
S23	2196597	speed velocity	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 15:49
S24	4740744	data information signal	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 15:42
S25	16374	S21 same S22 same S23 same S24	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 15:50
S26	3368801	data information	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 15:42
S27	11252	S21 same S22 same S23 same S26	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 15:42
S28	11	S27 and S20	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 15:42
S29	606603	(data information) near3 signal	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 15:42
S30	469298	clock\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 15:42
S31	582890	sync synchron\$6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 15:42
S32	31726	S29 same S30 same S31	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 15:42
S33	189	(369/47.48).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/06/20 15:42

## EAST Search History

S34	85	(369/47.46).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/06/20 15:42
S35	69	(S33 S34) and (S29 same S30 same S31)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 15:42
S36	1	("20020024153").PN.	US-PGPUB; USPAT	OR	OFF	2006/06/20 15:42
S37	3176433	speed rate	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 16:41
S38	15691	S21 same S22 same S23 same S24 same S37	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 15:53
S39	60	S38 and (S33 S34)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 16:52
S40	1	("6538965").PN.	US-PGPUB; USPAT	OR	OFF	2006/06/20 16:50
S41	1781419	record\$3 writ\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 16:51
S42	8417	S41 same S21 same S22 same S29	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 16:51
S43	42198	("369").CLAS.	US-PGPUB; USPAT	OR	OFF	2006/06/20 16:51
S44	1261	S42 and S43	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 16:52
S45	55	S42 and (S33 S34)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 17:01
S46	38259	decoder same (speed rate)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 17:01
S47	16	S45 and S46	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 17:50
S48	3	ATIP near2 PLL	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/06/20 17:50
S51	490610	clock\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:18
S52	608711	sync synchron\$6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:18

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S53	2281475	speed velocity	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:18
S54	5174164	data information signal	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:18
S55	17098	S51 same S52 same S53 same S54	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:18
S56	641486	(data information) near3 signal	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:18
S57	490610	clock\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:18
S58	608711	sync synchron\$6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:18
S59	33223	S56 same S57 same S58	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:18
S60	206	(369/47.48).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/11/29 15:18
S61	87	(369/47.46).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/11/29 15:18
S64	490610	clock\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:18
S65	608711	sync synchron\$6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:18
S66	641486	(data information) near3 signal	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:18
S67	1115	(spindle near2 motor) same (clock near2 (signal generator))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 16:23
S68	43875	("369").CLAS.	US-PGPUB; USPAT	OR	OFF	2006/11/29 15:28
S69	705	S67 and S68	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:28
S70	401	(spindle near2 motor) near10 (clock near2 (signal generator))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:28

## EAST Search History

S71	267	S70 and S68	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:40
S72	111323	transmission near2 (speed rate)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:40
S73	3	S67 same S72	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 15:40
S74	80067	((servo spindle) near2 motor)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 16:23
S75	218755	(clock near2 (signal generator))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/29 16:23
S76	803	clock same (PLL (phase near2 locked near2 loop)) same ((spindle servo) near2 motor)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/30 17:53
S77	609440	sync synchron\$6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/30 17:54
S78	63849	decod\$3 same (ID identif\$8)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/30 17:55
S79	75	S76 and S77 and S78	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/30 17:55
S80	38	S76 same S77 and S78	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/30 18:16
S81	1	S76 same S77 same S78	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/30 17:55
S82	8	wobbl\$3 near10 (transmission near2 (speed velocity))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/11/30 18:17
S83	819	clock same (PLL (phase near2 locked near2 loop)) same ((spindle servo) near2 motor)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/16 15:46
S84	620548	sync synchron\$6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/16 14:05
S85	65511	decod\$3 same (ID identif\$8)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/16 14:05

## EAST Search History

S86	38	S83 same S84 and S85	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/16 14:05
S87	75	S83 and S84 and S85	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/16 14:05
S88	1	S83 same S84 same S85	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/16 14:05
S89	8	wobbl\$3 near10 (transmission near2 (speed velocity))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/16 14:05
S90	60835	((satellite cable tv tuner) near2 box) ((channel frequency) near2 (reciever receiver))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/16 14:56
S91	153195	(without "no" "not") adj5 (buffer\$3 stor\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/16 15:34
S92	110	S90 same S91	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/16 15:23
S93	1327	optical\$3 same (writ\$3 record\$3) same S91	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/16 15:33
S94	9	optical\$3 near (writ\$3 record\$3) near S91	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/16 15:24
S95	341	optical\$3 near (writ\$3 record\$3) same S91	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/16 15:34
S96	93895	(without "no") adj3 (buffer\$3 stor\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/16 15:34
S97	139	optical\$3 near (writ\$3 record\$3) same S96	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/16 15:34
S98	1446	clock same S84 same (transmission near (speed rate))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/16 15:50
S99	360	clock near S84 same (transmission near (speed rate))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/16 15:51
S10 1	12	clock near S84 near (transmission near (speed rate))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/16 15:54

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S10 2	4594	go.in.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/16 15:54
S10 3	334	record\$3 and S102	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/16 15:55
S10 4	44616	("369").CLAS.	US-PGPUB; USPAT	OR	OFF	2007/02/16 15:55
S10 5	45	S103 and S104	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/16 15:55
S10 6	421	(369/47.28).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/02/20 15:17
S10 7	55	(369/47.41).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/02/20 15:17
S10 8	89	(369/47.46).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/02/20 15:17
S10 9	207	(369/47.48).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/02/20 15:17
S11 0	24802	channel near2 receiver	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/04 17:50
S11 1	5749	external near2 receiver	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/20 15:18
S11 2	131830	external near2 (signal input)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/20 15:18
S11 3	934535	sync\$9 clock	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/20 15:19
S11 4	29854	(S110 S111 S112) same S113	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/20 15:19
S11 5	27	S114 and (S106 S107 S108 S109)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/20 15:19
S11 6	232769	(channel frequenc\$6) near2 (receiv\$3 demodulat\$4)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/04 17:52
S11 7	459	(369/47.28).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/09/04 17:52
S11 8	59	(369/47.41).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/09/04 17:52
S11 9	91	(369/47.46).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/09/04 17:52

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S12 0	216	(369/47.48).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/09/04 17:52
S12 1	26543	channel near2 receiver	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/04 17:52
S12 2	6258	external near2 receiver	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/04 17:52
S12 3	140391	external near2 (signal input)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/04 17:52
S12 4	981129	sync\$9 clock	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/04 17:52
S12 5	31607	(S121 S122 S123) same S124	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/04 17:52
S12 6	28	S125 and (S117 S118 S119 S120)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/04 17:53
S12 7	211412	(clock timing sync\$10) near2 generat\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/04 17:55
S12 8	5141	S116 same S127	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/04 17:56
S12 9	40597	spindle adj2 motor	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/04 17:55
S13 0	15	S116 same S127 same S129	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/04 18:05
S13 1	1	("6742182").PN.	US-PGPUB; USPAT	OR	OFF	2007/09/04 18:01
S13 4	265492	((satellite cable tv tuner set) near2 box) ((channel frequency) near2 (reciev\$3 receiv\$3))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/04 18:05
S13 5	14	S134 same S127 same S129	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/04 18:17
S13 6	0	external adj frequency adj receiver	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/04 18:16
S13 7	194770	video near2 signal	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/04 18:16



## EAST Search History

S13 8	40	S137 same S127 same S129	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/04 18:24
S13 9	39	S137 same S127 same S129 and (record\$3 writ\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/09/04 18:24